

ABSTRACT

A display apparatus comprising a plurality of light guides and method for producing such an apparatus is disclosed. The display apparatus comprises a plurality of substantially totally internally reflecting (TIR) light guides fashioned to expand a small original optical representation from an input of each light guide to a larger optical representation output at an output of each light guide. Each of the plurality of substantially totally internally reflecting light guides is separated from other substantially totally internally reflecting light guides by a material having a lower refraction index than the core material.